

# Magnet Project API Documentation

## Authentication & User Management APIs

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### Auth Routes

#### 1. Register User

- **POST** /auth/register
- **Description:** Register a new customer user.
- **Body:**
  - firstname (string, required)
  - lastname (string, required)
  - email (string, required)
  - phone (string, optional)
  - password (string, required)
  - country (string, required)
  - language (string, optional, default: 'en')
- **Response:**
  - 201 Created: User info + JWT token

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#### 2. Register Business

- **POST** /auth/business-register
- **Description:** Register a new business user (requires approval).
- **Body:**
  - firstname, lastname, email, password, crNumber, vatNumber, companyName, companyType, country, city, district, streetName, phone (all required)
- **Response:**
  - 201 Created: Business info (under review)

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#### 3. Send Email OTP

- **POST** /auth/send-email-otp
- **Description:** Send an OTP to a new email (fails if email already exists).
- **Body:**
  - email (string, required)
- **Response:**
  - 200 OK: Success message

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#### 4. Send Phone OTP

- **POST** /auth/send-phone-otp
- **Description:** Send an OTP to a new phone (fails if phone already exists).
- **Body:**
  - phone (string, required)
- **Response:**
  - 200 OK: Success message

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#### 5. Confirm OTP

- **POST** /auth/confirm-otp
- **Description:** Confirm an OTP for email or phone verification.
- **Body:**
  - identifier (string, required)
  - otp (string, required)
- **Response:**
  - 200 OK: Email/Phone verified

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#### 6. Login

- **POST** /auth/login
- **Description:** Login with email/phone and password.
- **Body:**
  - identifier (email or phone, required)
  - password (string, required)

- **Response:**
    - 200 OK: User info + JWT token
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## 7. Login with OTP

- **POST** /auth/login-with-otp
  - **Description:** Request an OTP for login (email or phone).
  - **Body:**
    - identifier (email or phone, required)
  - **Response:**
    - 200 OK: OTP sent
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## 8. Forgot Password

- **POST** /auth/forgot-password
  - **Description:** Change password for authenticated user.
  - **Headers:** Authorization: Bearer <token>
  - **Body:**
    - newPassword (string, required)
  - **Response:**
    - 200 OK: Password updated
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# User Routes

## 1. Get Current User Profile

- **GET** /users/profile
  - **Description:** Get the profile of the authenticated user.
  - **Headers:** Authorization: Bearer <token>
  - **Response:**
    - 200 OK: User info
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## 2. Update User Profile

- **PUT** /users/profile
  - **Description:** Update the profile of the authenticated user.
  - **Headers:** Authorization: Bearer <token>
  - **Body:**
    - firstname, lastname, email, phone, country, language (all optional)
  - **Response:**
    - 200 OK: Updated user info
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## 3. Get All Business Registration Requests

- **GET** /users/business-requests?status=pending&page=1&limit=10
  - **Description:** Get paginated business registration requests (admin/employee only).
  - **Headers:** Authorization: Bearer <token>
  - **Query Params:**
    - status (optional, default: 'pending')
    - page (optional, default: 1)
    - limit (optional, default: 10)
  - **Response:**
    - 200 OK: List of businesses (paginated)
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## 4. Approve/Reject Business Registration

- **POST** /users/business-approval
  - **Description:** Approve or reject a business registration (admin/employee only).
  - **Headers:** Authorization: Bearer <token>
  - **Body:**
    - businessId (string, required)
    - status (string, required: 'approved' or 'rejected')
    - reason (string, optional, required if status is 'rejected')
  - **Response:**
    - 200 OK: Business approval status
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## 5. Get Business Details by ID

- **GET** /users/business/:businessId
    - **Description:** Get details of a business user by ID (admin/employee only).
    - **Headers:** Authorization: Bearer <token>
    - **Params:**
      - businessId (string, required)
    - **Response:**
      - 200 OK: Business info
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## 6. Get Business Profile (for Business Users)

- **GET** /users/business-profile
    - **Description:** Get the profile of the authenticated business user.
    - **Headers:** Authorization: Bearer <token>
    - **Response:**
      - 200 OK: Business user info
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## 7. Favourites APIs (Customer Only)

- **POST** /users/favourites/:productId
    - **Description:** Add a product to the customer's favourites.
  - **DELETE** /users/favourites/:productId
    - **Description:** Remove a product from the customer's favourites.
  - **GET** /users/favourites
    - **Description:** Get all favourite products for the customer.
  - **Headers:** Authorization: Bearer <token>
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## 8. Cart APIs (Customer Only)

- **POST** /users/cart
    - **Description:** Add a product to the customer's cart or increase its quantity.
    - **Body:** { productId, quantity }
  - **DELETE** /users/cart/:productId
    - **Description:** Remove a product from the customer's cart.
  - **PUT** /users/cart/:productId
    - **Description:** Update the quantity of a product in the customer's cart.
    - **Body:** { quantity }
  - **GET** /users/cart
    - **Description:** Get all products in the customer's cart.
  - **Headers:** Authorization: Bearer <token>
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## Product Routes

### 1. Get Products

- **GET** /products
    - **Description:** Get all approved products (public, any user can call).
    - **Response:**
      - 200 OK: List of products
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### 2. Add Product

- **POST** /products
    - **Description:** Business user adds a new product (pending approval).
    - **Headers:** Authorization: Bearer <token>
    - **Body:**
      - title, description, image, price, rate, amount, inStock (all required except image and rate)
  - **Response:**
    - 201 Created: Product info (pending approval)
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### 3. Update Product

- **PUT** /products/:productId
  - **Description:** Business user updates their own product (pending approval).

- **Headers:** Authorization: Bearer <token>
  - **Body:**
    - title, description, image, price, rate, amount, inStock (all optional)
  - **Response:**
    - 200 OK: Updated product info (pending approval)
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#### 4. Product Approval

- **POST** /products/product-approval
  - **Description:** Admin/employee approves or rejects a product.
  - **Headers:** Authorization: Bearer <token>
  - **Body:**
    - productId (string, required)
    - status (string, required: 'approved' or 'rejected')
  - **Response:**
    - 200 OK: Product approval status
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#### 5. Delete Product

- **DELETE** /products/:productId
  - **Description:** Business user deletes their own product, or admin/employee deletes any product (sends email to business user on delete).
  - **Headers:** Authorization: Bearer <token>
  - **Response:**
    - 200 OK: Product deleted
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#### Notes

- All endpoints require authentication unless stated otherwise.
  - Role-based access is enforced for some endpoints (Admin, Employee, Business, Customer).
  - For endpoints that update or approve/reject, validation middleware is used.
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For more details or example requests, refer to the code or request further examples.